ASTER RBR

paragrap h_id	release	segment	req_title	req_type	req_cat	funct_stat	text	interpretation
ASTER- 0010#B	В	SDPS CSMS	Applicabi lity of ECS/SC F IRD	interface	TBD	fully met	ECS and ASTER GDS shall conform to the IRD Between EOSDIS Core System and Science Computing Facilities with regard to the passing of data production software, and calibration coefficients, data product quality assurance information and other data between the two systems in support of data production software development for standard ASTER data products.	
ASTER- 0020#A	A	SDPS	ASTER L1 Algorith ms-to EDC DAAC	interface	TBD	fully met	ASTER-GDS shall have the capability to send and ECS (EDC-DAAC) shall have the capability to receive all algorithms, source-code, and documentation used by the ASTER-GDS to process ASTER-Level-0 data to Level-1 and higher-level standard products.	
ASTER- 0020#B	В	SDPS	ASTER L1 Algorith ms to EDC DAAC	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS (EDC DAAC) shall have the capability to receive all algorithms, source code, and documentation used by the ASTER GDS to process ASTER Level 0 data to Level 1 and higher level standard products.	
ASTER- 0030#B	В	SDPS	ECS ASTER Algorith ms to Japan	interface	TBD	fully met	ECS (EDC DAAC) shall have the capability to send and ASTER GDS shall have the capability to receive all algorithms, source code, and documentation used by ECS to process ASTER Level 1 data to higher level products.	
ASTER- 0040#B	В	CSMS	LTSP to ASTER	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive EOS Long Term Science Plans.	

ASTER-	В	CSMS	LTIPs to	interface	TBD	fully met		
0045#B			Japan				ECS shall have the	
							capability to send and	
							ASTER GDS shall have the capability to receive	
							EOS Long Term	
							Instrument Plans.	
ASTER-	A	FOS	ASTER	interface	TBD	fully met	A GETTER CIRCLE III	
0050#A ¹			Data Base				ASTER GDS shall have	
			Updates				the capability to send and ECS shall have the	
			to EOC				capability to receive	
							requests for updates to	
							the ASTER operations	
. compa	-	700			mp p		data base.	
ASTER- 0050#B	В	FOS	ASTER Data	interface	TBD	<u>fully met</u>	ASTER GDS shall have	
0030111			Base				the capability to send	
			Updates				and ECS shall have the	
			to EOC				capability to receive	
							requests for updates to	
							the ASTER operations	
ASTER-	A	FOS	EOC	interface	TBD	fully met	data base.	
0060#A ²	A	103	data base	merrace	100	runy met	ECS shall have the	
			updates				capability to send and	
			to				ASTER GDS shall have	
			ASTER				the capability to receive	
			ICC				an updated EOC	
							operations data base, containing	
							at a minimum,	
							spacecraft and	
							instrument telemetry	
							formats, limits, and	
							associated information	
							and ASTER instrument command formats and	
							associated information.	
ASTER-	В	FOS	EOC	interface	TBD	fully met		
0060#B			data base				ECS shall have the	
			updates				capability to send and ASTER GDS shall have	
			to ASTER				the capability to receive	
			ICC				an updated EOC	
							operations data base,	
							containing	
							at a minimum,	
							spacecraft and	
							instrument telemetry formats, limits, and	
							associated information	
							and ASTER instrument	
							command formats and	
							associated information.	

The addition of this new RBR is REJECTED. This interface with the ASTER ICC is neither required nor testable until Release B.

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ASTER-	В	SDPS	DAR	interface	TBD	fully met		
0100#B			constraint			•	ASTER GDS shall have	
			S				the capability to send	
							and ECS shall have the	
							capability to receive	
							information on ASTER	
							instrument operations	
							and	
							constraints that may be	
							applicable to DAR	
							specification. The	
							ASTER instrument	
							constraint information	
							shall include (at a	
							minimum):	
							a. descriptive	
							information for the	
							ASTER instrument	
							b. default settings for	
							instrument configurable	
							parameters	
							c. range of values for	
							instrument configurable	
							parameters	
							d. instrument constraint	
							information	

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ASTER-	В	SDPS	ASTER	interface	TBD	fully met		
0110#B			DARs to				ECS shall have the	
			Japan				capability to send and	
			1				ASTER GDS shall have	
							the capability to receive	
							DARs for the ASTER	
							instrument. DARs shall	
							contain the following	
							information, at a	
							minimum:	
							a. Observation number	
							b. Experimenter	
							identification	
							c. Experimenter address	
							d. Investigation	
							identification	
							e. Scientific discipline	
							f. Observation repetition	
		1		1			period	
		1		1			periou	
		1		1			g. Tolerance in	
		1		1			observation time	
		1		1			h. User priority	
		İ		İ			i. Scheduling priority	
		1		1			and target of opportunity	
		1		1				
							flag	
							j. Descriptive text	
							k. Location data	
							expressed in terms of	
							longitude and latitude as	
							earliest start coordinates	
							and latest stop	
							coordinates	
							Earliest start time	
							m. Latest stop time	
							n. Minimum coverage	
							required	
							o. Maximum coverage	
							desired	
							p. Number of	
							p. Number of	
							instruments involved in	
		1		1			the investigation	
		1		1			q. Which instruments	
		1		1			are involved in the	
		ĺ		1			investigation.	
		ĺ		1			# Associated	
		1		1			r. Associated product	
		1		1			generation request and	
		1		1			product distribution	
		1		1			request	
		1		1			s. Pointing angle	
		1		1			t. Calibration	
		1		1				
		ĺ		1			requirements	
		ĺ		1			u. Coordination	
		ĺ		1			<u>requirements</u>	
		1		1			v. Data	
		1		1			transmission	
		1		1				
		1		1			requirements	
		1		1			w. Illumination	
		1		1			requirements (day/night)	
		1		1			x. Specific time of	
		1		1			observation	
		1		1				
		1		1			y. Sun angle	
		İ		İ			z. Direct downlink	
		1		1			option	
	1	L	·	1			1	<u>. </u>

ASTER-	В	SDPS	DAR	interface	TBD	fully met		
0120#B			Status				ASTER GDS shall have	
			from				the capability to send	
			Japan				and ECS shall have the	
							capability to receive	
							DAR status, when	
							requested by ECS. DAR status shall include	I
							such information as	I
							confirmation or rejection	I
							of the DAR, and	I
							notification of DAR	I
							scheduling and	I
							completion, to include at	I
							a minimum:	I
							a. Date and time	I
							b. Instrument ID	I
							c. DAR ID	I
							d. Request status	1
							e. Implementation schedule	
							f. If rejection, then the	
							reason for the rejection.	
ASTER-	В	SDPS	Requests	interface	TBD	fully met	reason for the rejection.	
0130#B			for DAR				ECS shall have the	
			Status				capability to send and	1
							ASTER GDS shall have	
							the capability to receive	
							queries for the current	1
							status of ASTER DARs	1
							which were previously	1
							submitted to the ASTER GDS by ECS.	
ASTER-	В	FOS	EOC	interface	TBD	fully met		
0200#B			Planning				ECS shall have the	
			Aids to				capability to send and	1
			Japan				ASTER GDS shall have	1
							the capability to receive	1
							planning aids (e.g.,	1
							predicted orbit data, and spacecraft maneuver	I
							information).	
ASTER-	A	FOS	Instrume	interface	TBD	fully met	miormanon).	
0210#A			nt		122	10117 11100	ASTER GDS shall have	
			Resource				the capability to send	
			Profiles				and ECS shall have the	
1			to EOC				capability to receive	
1							ASTER instrument	
1							resource profiles and	
1							instrument resource	
1							deviation lists (when a resource profile exists).	
ASTER-	В	FOS	Instrume	interface	TBD	no new	resource prome exists).	
0210#B	"	1.03	nt	michae	עמו	functiona	ASTER GDS shall have	
0210111			Resource			lity	the capability to send	
1			Profiles			,	and ECS shall have the	
			to EOC				capability to receive	
1							ASTER instrument	
1							resource profiles and	
1							instrument resource	
							deviation lists (when a	
L	<u> </u>						resource profile exists).	

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ASTER- 0220#A	A	FOS	Resource Conflict Notificati on	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive a notification when ASTER instrument resource profile information cannot be integrated into the preliminary resource schedule.	
ASTER- 0220#B	В	FOS	Resource Conflict Notificati on	interface	TBD	no new functiona lity	ECS shall have the capability to send and ASTER GDS shall have the capability to receive a notification when ASTER instrument resource profile information cannot be integrated into the preliminary resource schedule.	
ASTER- 0230#A	A	FOS	Prelimina ry Resource Schedule	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive a preliminary resource schedule. The preliminary resource schedule shall include, at a minimum, the following: a. Activity and DAR identifiers b. Resource availability and usage requirements c. Time constraints d. TDRSS schedule	
ASTER- 0230#B	В	FOS	Prelimina ry Resource Schedule	interface	TBD	no new functiona lity	ECS shall have the capability to send and ASTER GDS shall have the capability to receive a preliminary resource schedule. The preliminary resource schedule shall include, at a minimum, the following: a. Activity and DAR identifiers b. Resource availability and usage requirements c. Time constraints d. TDRSS schedule	
ASTER- 0240#A	A	FOS	Instrume nt Activity Lists	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive instrument activity lists and instrument activity deviation lists (when an activity list exists) and any updates thereto.	

	•		•					
ASTER-	В	FOS	Instrume	interface	TBD	<u>no new</u>		
0240#B			nt			<u>functiona</u>	ASTER GDS shall have	
			Activity			<u>lity</u>	the capability to send	
			Lists				and ECS shall have the	
			2130				capability to receive	
							instrument activity lists	
							and instrument activity	
							deviation lists (when an	
							activity list exists) and	
							any updates thereto.	
ASTER-	Α	FOS	Activity	interface	TBD	fully met	-	
0250#A			Conflict				ECS shall have the	
0230111			Notificati				capability to send and	
							ASTER GDS shall have	
			ons					
							the capability to receive a	
							notification when the	
							ASTER instrument	
							activities	
							cannot be integrated into	
							the detailed activity	
							schedule.	
ACTED	D	FOC	A -4:- '4	:4C	TDD		schedule.	
ASTER-	В	FOS	Activity	interface	TBD	no new	F.G. 1 111 .	
0250#B			Conflict			<u>functiona</u>	ECS shall have the	
			Notificati			<u>lity</u>	capability to send and	
			ons				ASTER GDS shall have	
							the capability to receive a	
							notification when the	
							ASTER instrument	
							activities	
							cannot be integrated into	
							the detailed activity	
							schedule.	
ASTER-	A	FOS	Detailed	interface	TBD	fully met		
0260#A			Activity				ECS shall have the	
0200111			Schedule				capability to send and	
							ASTER GDS shall have	
			S					
							the capability to receive	
							detailed activity	
							schedules and any	
							updates. The detailed	
							activity schedule shall	
							include, at a minimum,	
							the following:	
							a. Instrument activities	
							b. Spacecraft activities	
							necessary to support all	
							instrument activities	
							c. All spacecraft	
							activities necessary for	
							spacecraft subsystem	
							maintenance	
							d. Spacecraft resource	
							requirements for each	
							activity	
							e. Traceability of	
							instrument activities to	
							DARs	
1		1	ı	l	ĺ	l	DUIV	

ASTER-	В	FOS	Detailed	intorfooo	TBD			
	В	FUS		interface	IBD	no new	ECC -1-11 1 41	
0260#B			Activity			<u>functiona</u>	ECS shall have the	
			Schedule			lity	capability to send and	
			S				ASTER GDS shall have	
							the capability to receive	
							detailed activity	
							schedules and any	
							updates. The detailed	
							activity schedule shall	
							include, at a minimum,	
							the following:	
							a. Instrument activities	
							b. Spacecraft activities	
							necessary to support all	
							instrument activities	
							c. All spacecraft	
							activities necessary for	
							spacecraft subsystem	
		1					maintenance	
							d. Spacecraft resource	
							requirements for each	
							activity	
							e. Traceability of	
							instrument activities to	
							DARs	
ASTER-	A	FOS	Instrume	interface	TBD	partially	DAKS	
0300#A ³	A	1-05		merrace	100		ASTER GDS shall have	
0300#A 3			nt O			met		
			Operatio				the capability to send	
			ns				and ECS shall have the	
			Coordina				capability to receive,	
			tion				both electronically and	
							by voice, information to	
							facilitate, at a minimum,	
							the following:	
							a. Planning of	
							coordinated operations	
							b. Resolution of	
							conflicts	
							c. Exchange of	
1		1					instrument status	
ASTER-	В	FOS	Instrume	interface	TBD	fully met	moranion outus	
0300#B	ر ا	1.05	nt	menace	100	runy met	ASTER GDS shall have	
0300#B		1	Operatio				the capability to send	
		1	_				and ECS shall have the	
		1	ns					
			Coordina				capability to receive,	
		1	tion				both electronically and	
		1					by voice, information to	
1		1					facilitate, at a minimum,	
1		1					the following:	
1		1					a. Planning of	
1		1					coordinated operations	
1		1					b. Resolution of	
1		1					conflicts	
							c. Exchange of	
							instrument status	
L	l .	1	l .	l .	l .		modulient status	

³ The addition of this new RBR is REJECTED. The FOS 4s that are currently mapped are not applicable (L4 mapping error).

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ASTER-	A	FOS	Instrume	interface	TBD	partially		
0310#A ⁴			nt			met	ECS shall have the	
			Operatio				capability to send and	
			ns				ASTER GDS shall have	
			Coordina					
							the capability to receive,	
			tion				both electronically and	
							by voice, information to	
							facilitate, at a minimum,	
							the following:	
							a. Planning of	
							coordinated operations	
							b. Resolution of	
							conflicts	
							c. Exchange of	
							instrument status	
ASTER-	В	FOS	Instrume	interface	TBD	fully met		
0310#B		105	nt	meriace	100	rany met	ECS shall have the	
0310π D								
			Operatio				capability to send and	
			ns				ASTER GDS shall have	
	1		Coordina		1		the capability to receive,	
			tion				both electronically and	
	1				1		by voice, information to	
							facilitate, at a minimum,	
							the following:	
							a. Planning of	
							coordinated operations	
							b. Resolution of	
							conflicts	
							c. Exchange of	
							instrument status	
ASTER-	A	FOS	"What-	interface	TBD	£-114	mstrument status	
	A	103		merrace	100	fully met	ASTER GDS shall have	
0340#A			if" Inputs					
							the capability to send	
							and ECS shall have the	
							capability to receive	
							"What-If" planning and	
							scheduling inputs.	
ASTER-	В	FOS	"What-	interface	TBD	fully met	Serveduming imputes	
0340#B	~	1 05	if" Inputs	incitue	122	init inct	ASTER GDS shall have	
0.5πυπ υ	1		ii inputs		1			
	1				1		the capability to send	
	1				1		and ECS shall have the	
	1				1		capability to receive	
	1				1		"What-If" planning and	
	1				1		scheduling inputs.	
ASTER-	A	FOS	"What-	interface	TBD	fully met	6F	
0350#A	1	1 05	if"	Interface	122	lany met	ECS shall have the	
UJJUIT X	1				1			
	1		Results		1		capability to send and	
	1				1		ASTER GDS shall have	
	1				1		the capability to receive	
	1				1		"What-If" planning and	
							scheduling results.	
ASTER-	В	FOS	"What-	interface	TBD	fully met		
0350#B	1-	1 22	if"			<u></u>	ECS shall have the	
υσσυπυ	1		Results		1			
1	1		Results		1		capability to send and	
	1				1		ASTER GDS shall have	
	1				1		the capability to receive	
	1				1		"What-If" planning and	
	1				1		scheduling results.	
	1	1	<u> </u>	1	1	1		

⁴ The addition of this new RBR is REJECTED. The FOS 4s that are currently mapped are not applicable (L4 mapping error).

ASTER- 0410#B	В	FOS	Comman d load generatio n status	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive command load generation status information, including at a minimum, the following: a. Spacecraft Control Computer (SCC)-stored command load report	
							b. Integrated report having orbital events, command execution times, and TDRSS contacts with candidate loads	
ASTER- 0520#A ⁵	A	FOS	Real time comman d groups requests	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive real time-command groups requests.	
ASTER- 0520#B	В	FOS	Real time comman d groups requests	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive real time command groups.	
ASTER- 0530#B	В	FOS	Instrume nt comman d uplink status	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive instrument command uplink status. Instrument command uplink status shall include (at a minimum): a. receipt of the command group at the EOC b. validation status at the EOC c. receipt of the command at the AM-1 spacecraft	
ASTER- 0540#B	В	FOS	Pre- planned comman d groups	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive pre- planned command groups.	

⁵ The addition of this new RBR is REJECTED. This interface with the ASTER ICC is neither required nor testable until Release B.

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ASTER- 0550#B	В	FOS	Instr. contingen cy cmd notif.	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive instrument command notification when ECS issues emergency/contingency ASTER command groups.	
ASTER- 0570#B	В	FOS	Instrume nt Status Data	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive ASTER instrument status data.	
ASTER- 0580#B	В	FOS	Spacecraf t Status to Japan		TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive AM-1 spacecraft status data.	
ASTER- 0590#B	В	FOS	Mission Status Reports	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive mission status reports.	
ASTER- 0600#B	₿	SDPS	Instrume nt history log	interface	TBĐ	TBĐ	ASTER GDS shall have the capability to send and ECS shall have the capability to receive instrument history log data and associated metadata.	
ASTER- 0700#B	В	SDPS	Level 1a delivery to EDC	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS (EDC DAAC) shall have the capability to receive Level 1a data products, including associated ancillary data, metadata, and browse.	
ASTER- 0710#B	В	SDPS	Quick look products from Japan	interface	TBD	TBD	ASTER-GDS-shall have the capability to send and ECS (EDC-DAAC) shall have the capability to receive Quick Look Level 1 (TBD) data products, including associated ancillary data, metadata, and browse. [TBR]	
ASTER- 0730#B	В	SDPS	O/A Orbit data anomaly notificati ons	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive orbit/attitude data anomaly notifications.	

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ASTER- 0740#B	В	SDPS	Repaired/ refined orbit data	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive repaired/refined orbit data provided to ECS by the GSFC Flight Dynamics Facility.	
ASTER- 0750#B	В	SDPS	Repaired/ refined attitude data	interface	TBD	TBĐ	ECS shall have the capability to send and ASTER GDS shall have the capability to receive repaired/refined attitude data provided to ECS by the GSFC Flight Dynamics Facility.	
ASTER- 0760#B	В	SDPS	Data Avail. Schedule from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive data availability schedules for ASTER GDS data products which were requested by ECS.	
ASTER- 0770#B	В	SDPS	Data Avail. Schedule to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive data availability schedules for ECS data products which were requested by ASTER GDS.	
ASTER- 0780#B	В	SDPS	Schedule adjudicati on from Japan	interface	TBD	TBD	ECS shall have the capability to send and ASTER GDS shall have the capability to receive schedule adjudication data.	
ASTER- 0790#B	В	SDPS	Schedule adjudicati on to Japan			TBD	ASTER GDS shall have the capability to send and ECS shall have the capability to receive schedule adjudication data.	
ASTER- 0800#B	В	SDPS	Depende nt Valids to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive dependent valids information related to ECS data products.	
ASTER- 0805#B	В	SDPS	Depende nt valids from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive dependent valids information related to ASTER GDS data products.	

ASTER-	D	SDPS	Director	interfess	TBD	fully mat		
0810#B	В		Directory metadata to Japan	interface		fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive directory metadata related to ECS data products.	
ASTER- 0815#B	В	SDPS	Directory metadata from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive directory metadata related to ASTER GDS data products.	
ASTER- 0820#B	В	SDPS	Inventory Search to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive inventory search requests.	
ASTER- 0825#B	В	SDPS	Guide search to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive guide search requests.	
ASTER- 0830#B	В	SDPS	Browse requests to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive browse requests.	
ASTER- 0835#B	В	SDPS	Inventory search results from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive inventory data search results.	
ASTER- 0840#B	В	SDPS	Guide search results from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive guide search results.	
ASTER- 0845#B	В	SDPS	Browse results from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive browse results.	
ASTER- 0850#B	В	SDPS	Inventory search to ECS		TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive inventory search requests.	
ASTER- 0855#B	В	SDPS	Guide search to ECS	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive guide search requests.	

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ASTER- 0860#B	В	SDPS	Browse requests to ECS	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive browse requests.	
ASTER- 0865#B	В	SDPS	Inventory results from ECS	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive inventory search results.	
ASTER- 0870#B	В	SDPS	Guide results from ECS	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive guide search results.	
ASTER- 0875#B	В	SDPS	Browse results from ECS	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive browse results.	
ASTER- 0880#A	A	CSMS	Authentic ation request from ECS	interface	TBD	partially met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive user authentication requests for ASTER GDS privileges of EOSDIS users.	
ASTER- 0880#B	В	CSMS	Authentic ation request from ECS	interface	TBD	all functiona lity complete	ECS shall have the capability to send and ASTER GDS shall have the capability to receive user authentication requests for ASTER GDS privileges of EOSDIS users.	
ASTER- 0885#A	A	CSMS	Authentic ation results to ECS	interface	<u>TBD</u>	partially met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive user authentication information specifying ASTER GDS privileges for EOSDIS users.	
ASTER- 0885#B	В	CSMS	Authentic ation results to ECS	interface	TBD	all functiona lity complete	ASTER GDS shall have the capability to send and ECS shall have the capability to receive user authentication information specifying ASTER GDS privileges for EOSDIS users.	
<u>ASTER-</u> 0890# <u>A</u>	A	CSMS	Authentic ation requests to ECS	interface	<u>TBD</u>	partially met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive user authentication requests for ECS privileges of ASTER GDS users.	

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ASTER- 0890#B	В	CSMS	Authentic ation requests to ECS		TBD	all functiona lity complete	ASTER GDS shall have the capability to send and ECS shall have the capability to receive user authentication requests for ECS privileges of ASTER GDS users.	
ASTER- 0895#A	A	<u>CSMS</u>	Authentic ation results to Japan	interface	TBD	partially met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive user authentication information specifying ECS privileges for ASTER GDS users.	
ASTER- 0895#B	В	CSMS	Authentic ation results to Japan	interface	TBD	all functiona lity complete	ECS shall have the capability to send and ASTER GDS shall have the capability to receive user authentication information specifying ECS privileges for ASTER GDS users.	
ASTER- 0900#B	В	SDPS	Product requests to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive product requests for ASTER GDS data products.	
ASTER- 0905#B	В	SDPS	Product generatio n req. to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive product generation requests for ASTER GDS data products. Product generation requests will include an associated product distribution request.	
ASTER- 0910#B	В	SDPS	Product Delivery Status from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive product delivery status information. Product delivery status information contains the following information, at a minimum: a. Requester identification b. Request identification c. Request status d. If rejection, then the reason for the rejection e. If delayed longer than the latest completion time specified by the user, adjusted start and stop times.	

ASTER- 0915#B	В	SDPS	Product Del. Status Req. to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive requests for product delivery status.	
ASTER- 0920#B	В	SDPS	Product Requests from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive product requests for ECS data products.	
ASTER- 0925#B	В	SDPS	Product Generatio n Req. from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive product generation requests for ECS data products. Product generation requests will include an associated product distribution request.	
ASTER- 0930#B	В	SDPS	Product Del. Status to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive product delivery status information. Product delivery status information contains the following information, at a minimum: a. Requester identification b. Request identification c. Request status d. If rejection, then the reason for the rejection e. If delayed longer than the latest completion time specified by the user, adjusted start and stop times.	
ASTER- 0935#B	В	SDPS	Product Del. Status Req. from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive requests for product delivery status.	
ASTER- 0940#B	В	SDPS	ECS Data Products to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive Level 0 - Level 4 data products, including associated ancillary, metadata, and browse.	

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ASTER- 0945#B	В	SDPS	ASTER GDS Data Products to ECS	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive Level 1b - Level 4 ASTER data products, including associated ancillary, metadata, and browse.	
ASTER- 0950#B	В	SDPS	Ancillary data to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive ancillary data, including associated metadata.	
ASTER- 0955#B	В	SDPS	Correlati ve data to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive correlative data, including associated metadata.	
ASTER- 0960#B	В	SDPS	Ancillary data from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive ancillary data, including associated metadata.	
ASTER- 0965#B	В	SDPS	Correlati ve data from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive correlative data, including associated metadata.	
ASTER- 1000#B	В	CSMS	System & Network Mgmt Info to Japan	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive ECS system and network management information.	
ASTER- 1005#B	В	CSMS	Req. for ASTER network mgmt info	interface	TBD	fully met	ECS shall have the capability to send and ASTER GDS shall have the capability to receive requests for ASTER GDS network management information.	
ASTER- 1010#B	В	CSMS	System & Netwk Mgmt info from Japan	interface	TBD	fully met	ASTER GDS shall have the capability to send and ECS shall have the capability to receive ASTER GDS system and network management information.	

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ASTER-	В	CSMS	network	interface	TBD	<u>fully met</u>		
1015#B			mgmt				ASTER GDS shall have	
			info				the capability to send	
			request to				and ECS shall have the	
			ECS				capability to receive	
							requests for ECS	
							network system	
							management	
							information.	
ASTER-	В	CSMS	ESN	interface	TBD	TBD		
1020#B		001/10	connectio	11110111110	122	122	ECS shall provide (via	
1020111			n to JPL				GFP PSCN circuits) the	
			pickup				necessary	
			point				communications	
			рони				connections to the	
							ASTER designated pick	
							up points (at JPL) for	
							the U.S. Gateway for	
							ESN (mission success)	
							communications.	
ASTER-	В	CSMS	ESN	interface	TBD	TBD		
1040#B			services				ECS shall provide	
			at JPL				protocol translation	
			gateway				(TBR), termination,	
							bridging, and routing for	
							ESN-communications	
							interfaces to the U.S.	
							Gateway for ASTER	
							GDS communications.	
ASTER-	A	FOS	ECS	interface	TBD	partially		
1060#A ⁶	11	SDPS	support	interrace	155	met	ECS shall provide	
1000111		CSMS	of			<u>met</u>	support for Transport	
		CSIVIS	TCP/IP				Control Protocol/Internet	
			101/11				Protocol (TCP/IP)	
							[TBR] communications	
							protocols to the U.S.	
							Gateway for ASTER	
	_	700	7.00				GDS communications.	
ASTER-	В	FOS	ECS	interface	TBD	<u>all</u>		
1060#B		SDPS	support			<u>functiona</u>	ECS shall provide	
		CSMS	of			<u>lity</u>	support for Transport	
			TCP/IP			<u>complete</u>	Control Protocol/Internet	
							Protocol (TCP/IP)	
							[TBR] communications	
							protocols to the U.S.	
							Gateway for ASTER	
							GDS communications.	
ASTER-	<u>B</u>	FOS	Security	interface	TBD	fully met	The interface between	
1080#B		CSMS	Security		122		ECS and ASTER GDS	
10001111		SDPS					shall be compliant with	
		2010					the interface guidelines	
							identified in the ECS	
							Security Plan.	
	l	l	1			l	Security Fiall.	

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 $^{^6}$ The addition of this new RBR is ACCEPTED. For Release A, this applies to some FOS interfaces (Planning & Scheduling). The remaining FOS, SDPS, and CSMS interfaces are Release B.

ASTER-	В	FOS	ECS	interface	TBD	fully met		
2000#B	D	SDPS	RMA	merrace	עמו	runy met	ECS functions shall	
2000IF D		CSMS	131/1/1				have an operational	
		CBIVIS					availability (computed as	
							defined in the Functional	
							and Performance	
							Requirements	
							Specification for the	
							EOSDIS Core System)	
							of 0.96 at a minimum	
							and a Mean Down Time	
							(MDT) of four (4) hours	
							or less, unless otherwise	
							specified.	
ASTER-	В	FOS	ECS	interface	TBD	fully met		
2030#B			RMA for				The ECS FOS shall	
			real time				have an operational	
			functions				availability of 0.99925 at	
							a minimum and a MDT	
							of five (5) minutes or	
							less for real time	
							functions that support:	
							a. Launch	
							b. Early orbit checkout	
							c. Disposal	
							d. Orbit adjustment	
							e. Anomaly	
							investigation	
							f. Recovery from safe	
							mode	
							g. Routine real time	
							commanding and	
							associated monitoring	
							for spacecraft and	
							instrument health and	
ASTER-	В	FOS	ECS	interface	TBD	fully met	safety.	
2040#B	Б	105	RMA for	micracc	IDD	runy met	The ECS FOS shall	
2040111			TOOs				have an operational	
			1005				availability of 0.992 at a	
							minimum and a MDT	
							of (1) hour or less for	
							functions associated	
							with Targets of	
							Opportunity (TOOs).	
ASTER-	В	SDPS	ECS	interface	TBD	fully met	<u> </u>	
2060#B			RMA for			1	The ECS SDPS	
			receiving				function of receiving	
			science				science data shall have	
			data				an operational	
							availability of 0.999 at a	
							minimum and an MDT	
A GENERAL	D	003.50	ECC		TID D	C 11	of two (2) hours or less.	
ASTER-	В	CSMS	ECS	interface	TBD	<u>fully met</u>	The ECC for the C	
2080#B			RMA for				The ECS function for	
			mgmt				gathering and	
			info				disseminating	
							management	
							information shall have	
							an operational	
							availability of .998 at a	
							minimum and an MDT	
							of 20 minutes or less, for critical services.	
ASTER-	<u>B</u>	SDPS	Level 1a	performa	TBD	fully met	The estimated volume of	
5000	끄	פותפ	Volume	nce	שענו	runy met	ASTER Level 1a data	
2000			- Volume	1100			sent from the ASTER	
							GDS to ECS is 131.472	
							GB/day.	
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ASTER-	<u>B</u>	<u>SDPS</u>	Level 1b	performa	TBD	fully met	The estimated volume of	
<u>5010</u>			<u>Volume</u>	<u>nce</u>			ASTER Level 1b data	
							sent from the ASTER	
							GDS to ECS is the data	
							volume that results	
							when at least 40% of the	
							ASTER Level 1a data is	
							processed to Level 1b.	